

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for determining a file system layout for installation of a file system on a disk comprising:

a) providing a default file system layout comprising a root partition, a swap partition and a plurality of unassigned partitions;
b) assigning a size for each of said partitions;
c) sorting said partitions by said size assigned in said b) from largest to smallest;
d) identifying available free spaces on said disk for said unassigned partitions; ~~and~~
e) assigning locations on said disk for said partitions from said largest to said smallest wherein said partitions are filled in said available free spaces identified in said d) from end to beginning of said available free spaces; and

f) identifying a preserved partition, wherein said preserved partition retains a location and a size, and wherein the assigned size for each of said partitions is capable of being modified in either one of byte size or cylinder size, and enabling converting between byte size and cylinder size by implementing appropriate rounding adjustments before proceeding to the installation of the file system on the disk.

2. (Currently amended) The method as described in claim 1 wherein said byte size is megabytes assigned in said b) ~~is measured in cylinders.~~

3. (Currently amended) The method as described in claim 2 ~~further wherein the converting enables converting from comprising converting said size measured in cylinders to megabytes~~ or megabytes to cylinders.

4. (Original) The method as described in claim 3 wherein said size converted to megabytes is rounded to a minimum number of megabytes represented by said size measured in cylinders without changing the number of megabytes.

5. (Original) The method as described in claim 1 further comprising providing a graphical user interface for completing said b).

6. (Original) The method as described in claim 1 wherein said swap partition is assigned to one of said available free spaces.

7.-12. (Cancelled)

13. (Currently amended) In a computer system comprising a processor coupled to a bus and a memory coupled to said bus, a computer readable medium comprising instructions that when executed implement a method of determining a file system layout for installation of a file system on a disk said method comprising:

a) providing a default file system layout comprising a root partition, a swap partition and a plurality of unassigned partitions;

b) assigning a size for each of said partitions;

c) sorting said partitions by said size assigned in said b) from largest to smallest;

d) identifying available blocks of free space on said disk for said unassigned partitions;

e) assigning locations on said disk for said partitions from said largest to said smallest wherein said partitions are filled in said available blocks identified in said d) from end to beginning of said available blocks; and

f) identifying a preserved partition, wherein said preserved partition retains a location and a size, wherein the assigned size for each of said partitions is capable of being modified in either one of byte size or cylinder size, and enabling converting between byte size mode

and cylinder size mode by implementing appropriate rounding adjustments before proceeding to the installation of the file system having the file system layout on the disk.

14. (Currently amended) The computer readable medium as described in claim 13 wherein said byte size is megabytes ~~assigned in said b)~~ ~~is measured in cylinders~~.

15. (Currently amended) The computer readable medium as described in claim 14 wherein ~~said method further comprises converting~~ enables converting from said size ~~measured in cylinders to megabytes~~ or megabytes to cylinders.

16. (Original) The computer readable medium as described in claim 15 wherein said size converted to megabytes is rounded to a minimum number of megabytes represented by said size measured in cylinders.

17. (Original) The computer readable medium as described in claim 13 wherein said method further comprises providing a graphical user interface for completing said b).

18. (Original) The computer readable medium as described in claim 13 wherein said swap partition is assigned to the beginning of said disk.

19. -24 (Cancelled)